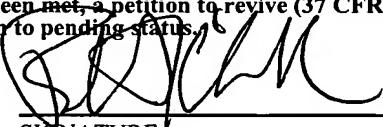


FORM PTO-1390 (Modified) (REV. 07-2004) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE		ATTORNEY'S DOCKET NUMBER PN0223
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) To Be Assigned 10/512009
INTERNATIONAL APPLICATION NO. PCT/NO03/00126	INTERNATIONAL FILING DATE April 15, 2003	PRIORITY DATE CLAIMED April 19, 2002
TITLE OF INVENTION Method for Phenotyping Using NMR Spectroscopy		
APPLICANT(S) FOR DO/EO/US Bill Clark, Klaes Golman, Mathilde H. Lerche, Mike Looker, Mike O'Sullivan, Albie Santos, Rolf Servin, Mikkel Thaning and Jan-Henrik Ardenkjaer-Larsen		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c) (2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). 11. <input checked="" type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409). 12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210). 		
Items 13 to 23 below concern document(s) or information included:		
<ol style="list-style-type: none"> 13. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 15. <input checked="" type="checkbox"/> A FIRST preliminary amendment. 16. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 17. <input type="checkbox"/> A substitute specification. 18. <input type="checkbox"/> A power of attorney and/or change of address letter. 19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). 22. <input checked="" type="checkbox"/> Express Mail Label No. <u>EV344295341US</u> 23. <input checked="" type="checkbox"/> Other items or information: <p>Copy of PCT/IB/306- Notification of the Recording of A Change Copy of PCT Request Return Receipt Postcard</p>		

U.S. APPLICATION NO. (if known, see 37 CFR 1.65) 1051209 To Be Assigned	INTERNATIONAL APPLICATION NO. PCT/NO03/00126	ATTORNEY'S DOCKET NUMBER PN0223												
24. The following fees are submitted:.		CALCULATIONS PTO USE ONLY												
BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)) : <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; padding: 2px;"><input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO</td> <td style="width: 20%; text-align: right; padding: 2px;">\$1110.00</td> </tr> <tr> <td><input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO</td> <td style="text-align: right; padding: 2px;">\$950.00</td> </tr> <tr> <td><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO</td> <td style="text-align: right; padding: 2px;">\$790.00</td> </tr> <tr> <td><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)</td> <td style="text-align: right; padding: 2px;">\$750.00</td> </tr> <tr> <td><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)</td> <td style="text-align: right; padding: 2px;">\$100.00</td> </tr> </table>		<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	\$1110.00	<input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO	\$950.00	<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO	\$790.00	<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)	\$750.00	<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)	\$100.00	\$950.00		
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ENTER APPROPRIATE BASIC FEE AMOUNT = <input style="width: 100px; border: 1px solid black; height: 1.2em; vertical-align: middle;" type="text"/> \$950.00		\$950.00												
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)). <input type="checkbox"/> 20 <input type="checkbox"/> 30		\$0.00												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">CLAIMS</th> <th style="width: 25%;">NUMBER FILED</th> <th style="width: 25%;">NUMBER EXTRA</th> <th style="width: 25%;">RATE</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>16 - 20 =</td> <td>0</td> <td>x \$18.00</td> </tr> <tr> <td>Independent claims</td> <td>1 - 3 =</td> <td>0</td> <td>x \$88.00</td> </tr> </tbody> </table>		CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	16 - 20 =	0	x \$18.00	Independent claims	1 - 3 =	0	x \$88.00	\$0.00
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE											
Total claims	16 - 20 =	0	x \$18.00											
Independent claims	1 - 3 =	0	x \$88.00											
Multiple Dependent Claims (check if applicable). <input type="checkbox"/>		\$0.00												
TOTAL OF ABOVE CALCULATIONS = <input style="width: 100px; border: 1px solid black; height: 1.2em; vertical-align: middle;" type="text"/> \$950.00		\$950.00												
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.		\$0.00												
SUBTOTAL = <input style="width: 100px; border: 1px solid black; height: 1.2em; vertical-align: middle;" type="text"/> \$950.00		\$950.00												
Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492(f)). <input type="checkbox"/> 20 <input type="checkbox"/> 30		\$0.00												
TOTAL NATIONAL FEE = <input style="width: 100px; border: 1px solid black; height: 1.2em; vertical-align: middle;" type="text"/> \$950.00		\$950.00												
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). <input type="checkbox"/>		\$0.00												
TOTAL FEES ENCLOSED = <input style="width: 100px; border: 1px solid black; height: 1.2em; vertical-align: middle;" type="text"/> \$950.00		\$950.00												
<input type="checkbox"/> Amount to be: refunded \$ <input type="checkbox"/> charged \$		\$												
<p>a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>502-665</u> in the amount of <u>\$950.00</u> to cover the above fees.</p> <p>c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>502-665</u></p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>														
<p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p>														
SEND ALL CORRESPONDENCE TO: <p>Amersham Health, Inc. IP Department 101 Carnegie Center Princeton, NJ 08540</p>														
 SIGNATURE														
<p>Robert F. Chisholm</p> <p>NAME</p> <p>39,939</p> <p>REGISTRATION NUMBER</p> <p>October 19, 2004</p> <p>DATE</p>														

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Bill Clarke, et.al.

Docket No.
107512009
PN0225

Application No. To Be Assigned	Filing Date Herewith	Examiner To Be Assigned	Customer No. 36335	Group Art Unit To Be Assigned
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Invention: Method for Phenotyping Using NMR Spectroscopy

I hereby certify that the following correspondence:

Request for filing a 371 U.S. application based on PCT/N003/00126 including copy of published application, unsigned declaration, copy of PCT Request, IPER, PCT/IB/306, Int'l Search report with form 1449 including non-U.S. references, preliminary amendment, authorization to charge deposit account and return receipt post card

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

October 19, 2004

(Date)

Lori Allaire

(Typed or Printed Name of Person Mailing Correspondence)



(Signature of Person Mailing Correspondence)

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